

200315586-1

10/827,484

IN THE CLAIMS:

The status and content of each claim follows.

1. (currently amended) A jettable solution comprising:  
a plurality of vesicles each comprising an inner membrane contained within and separate from an outer membrane; and  
a pharmaceutical payload encapsulated within said inner membrane of each of associated with said vesicles.
2. (original) The jettable solution of claim 1, wherein said jettable solution further comprises an edible vehicle, said plurality of vesicles being stably dispersed in said edible vehicle.
3. (original) The jettable solution of claim 2, wherein said edible vehicle comprises one of water or an alcohol.
4. (currently amended) The jettable solution of claim 3 claim 2, wherein [[sad]]  
said edible vehicle further comprises a solvent.
5. (original) The jettable solution of claim 1, wherein said plurality of vesicles are formed from a lipid or a mixture of lipids selected from the group consisting of phosphatidylcholines, phosphatidylethanolamines, phosphatidic acids, phosphatidylserines, phosphatidylglycerols, cardiolipins, poly(ethylene glycol) lipid conjugates, sphingomyelins,

200315586-1

10/827,484

cationic lipids, trioctanoin, triolein, dioctanoyl glycerol, cholesterol (ovine wool), lipid A (salmonella minnesota), purified lipid A, and dioleoyl-glutaric acid.

6. (withdrawn) The jettable solution of claim 1, wherein said plurality of vesicles are formed from a plurality of di-block copolymers.

7. (currently amended) A jettable solution comprising:  
a plurality of vesicles; and  
a pharmaceutical payload encapsulated within a central interior of each of said  
vesicles;

~~The jettable solution of claim 1, wherein said plurality of vesicles each comprise an outer membrane comprised of two layers of molecules and wherein additional pharmaceutical payload is entrapped between said two layers of molecules of said vesicle outer membrane dimensions of less than 10 microns.~~

8. (original) The jettable solution of claim 1, wherein said pharmaceutical payload comprises a substantially water-insoluble pharmaceutical.

9. (original) The jettable solution of claim 8, wherein said pharmaceutical payload is selected from the group consisting of Quinidex, Procainamide, Verapamil, Nitroglycerin, Quinidine, Calan, Disopyramide, Sotalol, Mexitol, Pindolol, Isosorbide 5-mononitrate, Cordarone, Digoxin, Nifedipine, Timolol, Dihydropyridine, Ethmozine, Rythmol, Acebutolol, Penbutolol, Nadolol, Diltiazem, Carteolol, Tambocor, Nicardipine, Captopril, Bepridil, Felodipine, Isradipine, Enalapril, Vasotec, Enalaprilat, Zestril, Esmolol,

200315586-1

10/827,484

Univasc, Accupril, Quinapril, Lotensin, Benazepril, Altace, Trandolapril, Amlodipine, Monopril, Fosinopril, Moexipril, and Corvert.

10. (original) The jettable solution of claim 1, further comprising a property enhancing agent.

11. (currently amended) The jettable solution of claim 10, wherein said property enhancing agent comprises one of a biocide, a viscosity modifier, a humectant, an antifoaming agent, a surface tension adjusting agent, a rheology adjusting agent, or a pH adjusting agent, a drying agent, or a polymer.

12. (original) The jettable solution of claim 1, wherein said solution comprises a viscosity of less than 5 centipoise.

13. (original) The jettable solution of claim 1, wherein said solution comprises a surface tension between approximately 25 and 60 dynes per centimeter.

14. (original) The jettable solution of claim 1, wherein said solution is configured to be selectively emitted from an inkjet material dispenser.

15. (original) The jettable solution of claim 14, wherein said inkjet material dispenser comprises one of a thermally actuated inkjet dispenser, a mechanically actuated inkjet dispenser, an electro-statically actuated inkjet dispenser, a magnetically actuated dispenser, a piezo-electrically actuated inkjet dispenser, or a continuous inkjet dispenser.

200315586-1

10/827,484

16. (original) The jettable solution of claim 1, further comprising:  
approximately 25 % vehicle;  
approximately 2 % vesicle forming component;  
approximately 3 to 6 % pharmaceutical payload; and  
water.

17. (withdrawn) The jettable solution of claim 1, further comprising:  
approximately 3.54 % vitamin E-succinate;  
approximately 0.8 % Tris;  
approximately 75.64 % water; and  
approximately 20 % Diethylene glycol.

18. (withdrawn) The jettable solution of claim 1, further comprising:  
approximately 5 % 1,3propanediol;  
approximately 3 % Brij30;  
approximately 0.15% hexadecyltrimethylammonium bromide (HTAB);  
approximately 1 % Cholesterol;  
between 5 and 10 % pharmaceutical payload; and  
water.

19. (withdrawn) The jettable solution of claim 1, further comprising:  
approximately 2.5 % egg yolk or Phosphatidyl choline Soy Lecithin;  
approximately 1.0 % Cholic acid Na salt;

200315586-1

10/827,484

approximately 5 % Diethylene glycol;  
approximately 5 % pharmaceutical payload; and  
water.

20. (withdrawn) The jettable solution of claim 1, further comprising:  
approximately 5 % sucrosemono/di stearate;  
approximately 5 % 1,3 propane diol;  
approximately 5 % pharmaceutical payload; and  
water.

21-54. (cancelled)

55. (currently amended) A jettable solution comprising:  
a water insoluble pharmaceutical payload; and  
a means for encapsulating said pharmaceutical payload [[into]] in a center of vesicles  
disposed within a jettable solution.

56. (original) The jettable solution of claim 55, wherein said jettable solution  
further comprises a means for stably dispersing said encapsulated pharmaceutical payload.

57-59. (cancelled)

60. (new) The jettable solution of claim 1, further comprising additional  
pharmaceutical payload disposed between said inner and outer membranes.

200315586-1

10/827,484

61. (new) The jettable solution of claim 1, wherein said outer membrane is a multilayered membrane comprising a double layer of lipid molecules.

62. (new) The jettable solution of claim 61, wherein said inner membrane is a single layer of lipid molecules.

63. (new) The jettable solution of claim 55, further comprising a biocide.

64. (new) The jettable solution of claim 55, further comprising a humectant.

65. (new) The jettable solution of claim 55, further comprising an antifoaming agent.

66. (new) The jettable solution of claim 55, further comprising a rheology adjusting agent.

67. (new) The jettable solution of claim 55, further comprising a pH adjusting agent.